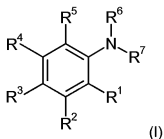


Amendments to the Claims:

Please amend the claims as follows:

What is claimed is:

1. (Currently Amended) A compound of formula (I):



including salts, solvates, and physiologically functional derivatives or a salt thereof, wherein

R¹ is H, cyano, nitro, halogen, trifluoromethyl, or trifluoroethyl-C₁-C₆ haloalkyl, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, hydroxy, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy, -OC(O)R⁸, or aryl;

R² is H, cyano, nitro, halogen, trifluoromethyl, or trifluoroethyl-C₁-C₆ haloalkyl, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, hydroxy, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy, -OC(O)R⁸, or aryl;

R³ is cyano, nitro, halogen, C₁-C₆ haloalkyl, 3-10 membered heterocyclyl, hydroxy, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy,

-OC(O)R⁸, -C(O)₂R⁸, -CONHR⁸, -C(O)R⁸, -S(O)₂R⁸, -SO₂N(R⁸)₂, -NHC(O)R⁸, or -NHSO₂R⁸;

R⁴ is H, cyano, nitro, halogen, trifluoromethyl, or trifluoroethyl C₁-C₆ haloalkyl, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, hydroxy, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy, -OC(O)R⁸, or aryl;

R⁵ is H, cyano, nitro, halogen, trifluoromethyl, or trifluoroethyl-C₁-C₆ haloalkyl, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, hydroxy, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy, -OC(O)R⁸, or aryl;

where at least one of R¹, R², R⁴, and R⁵ is not H;

each of R⁶ and R⁷ independently are selected from H or -(R⁹)_x-R⁹;

R⁸ is a C₁-C₈ alkylene chain optionally substituted with one or more of C₁-C₃ alkyl, C₂-C₃ alkenyl, or hydroxyl, where x is 0 or 1;

each R⁸ independently is H([,]) or C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₆ cycloalkyl, 3-10 membered heterocyclyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R⁹ is ethyl, propyl, isopropyl, isobutyl, n-butyl, tert-butyl, isopentyl, n-pentyl, C₁-C₆ alkyl, trifluoromethyl, trifluoroethyl-C₁-C₆ haloalkyl, hydroxymethylene, hydroxyethylene, hydroxyalkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₁-C₆ alkoxy, C₁-C₆ alkylthio, C₁-C₆ haloalkoxy, C₃-C₆ cycloalkyl, formyl, azido, or -NR¹⁰R¹¹;

R¹⁰ and R¹¹ each independently are H, C₁-C₆ alkyl, -C(O)H, -C(O)R¹², -C(O)OR¹², or -SO₂R¹²; and R¹² is C₁-C₆ alkyl.

2. (Original) The compound of claim 1 wherein R¹, R⁵, or both are H.
3. (Original) The compound of claim 1 wherein R², R⁴, or both are H.
4. (Cancelled)
5. (Currently Amended) The compound of claim 1 wherein at least one substituent selected from R⁸, R¹⁰, R¹¹, and R¹² alkyl is C₁-C₃ alkyl.
6. (Cancelled)
7. (Currently Amended) The compound of claim 1 wherein R⁹ C₄-C₆ alkoxy is C₁-C₂ alkoxy.
- 8 – 10 (Cancelled)
11. (Currently Amended) The compound of claim 1 wherein alkenyl R⁹ is isopropenyl, isobutenyl, or allyl.
12. (Cancelled)
13. (Currently Amended) The compound of claim 1 wherein alkynyl R⁹ is propynyl.
14. (Cancelled)
15. (Currently Amended) The compound of claim 1 wherein R⁹ cycloalkyl is cyclopropyl, cyclopentyl, or cyclohexyl.
16. (Currently Amended) The compound of claim 1 wherein R¹ or R⁵ is nitro, C₁-C₆ alkyl, trifluoromethyl, trifluoroethyl C₁-C₆ haloalkyl, or halogen.

17. (Currently Amended) The compound of claim 1 wherein R² or R⁴ is ~~nitro~~, cyano, ~~C₁-C₆ alkyl~~, trifluoromethyl, trifluoroethyl, ~~C₁-C₆ haloalkyl~~, halogen, or hydroxy.

18. (Original) The compound of claim 1 wherein R³ is cyano, nitro, or halogen.

19. (Currently Amended) The compound of claim 18 wherein one or more of R¹, R², R⁴, or R⁵ is trifluoromethyl or trifluoroethyl, ~~C₁-C₆ haloalkyl~~.

20. (Currently Amended) The compound of claim 19 wherein R² or R⁴ is trifluoromethyl, or fluoroethyl, ~~C₁-C₆ haloalkyl~~.

21. (Original) The compound of claim 18 wherein one or more of R¹, R², R⁴, or R⁵ is halogen.

22. (Original) The compound of claim 21 wherein R² or R⁴ is halogen.

23. (Original) The compound of claim 22 wherein halogen is chloro.

24. (Original) The compound of claim 18 wherein when R³ is cyano, one or more of R¹, R², R⁴, or R⁵ is nitro.

25. (Original) The compound of claim 18 wherein when R³ is nitro, one or more of R¹, R², R⁴, or R⁵ is cyano.

26. (Original) The compound of claim 18 wherein R³ is cyano and one of R² or R⁴ is cyano.

27. (Cancelled)

28. (Original) The compound of claim 27 wherein R³ is methylene.

29. (Currently Amended) A compound selected from:
4-[(Cyclopropylmethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)(propyl)amino]-2-nitrobenzonitrile

4-(diallylamino)-2-(trifluoromethyl)benzonitrile
5-[allyl(cyclopentyl)amino]-2-nitrobenzonitrile
4-[butyl(propyl)amino]-2-nitrobenzonitrile
4-[ethyl(2-methyl-2-propenyl)amino]-2-nitrobenzonitrile
4-[butyl(ethyl)amino]-2-(trifluoromethyl)benzonitrile
4-(dipropylamino)-2-(trifluoromethyl)benzonitrile
N-butyl-N-ethyl-3-methyl-4-nitroaniline
5-(diallylamino)-2-nitrobenzonitrile
5-[(cyclopropylmethyl)(propyl)amino]-2-nitrobenzonitrile
4-(diallylamino)-2-nitrobenzonitrile
3-methyl-4-nitro-N,N-dipropylaniline
4-[sec-butyl(propyl)amino]-2-nitrobenzonitrile
5-[butyl(ethyl)amino]-2-nitrobenzonitrile
2-chloro-4-[(cyclopropylmethyl)(propyl)amino]benzonitrile
5-[butyl(propyl)amino]-2-nitrobenzonitrile
5-[(2-methoxyethyl)(methyl)amino]-2-nitrobenzonitrile
2-chloro-4-(diallylamino)benzonitrile
4-[(2-methoxyethyl)(propyl)amino]-2-nitrobenzonitrile
4-[allyl(cyclopentyl)amino]-2-nitrobenzonitrile
4-[ethyl(2-methyl-2-propenyl)amino]-2-(trifluoromethyl)benzonitrile
2-chloro-4-[[2-(dimethylamino)ethyl](methyl)amino]benzonitrile
N-(2-methoxyethyl)-N,2-dimethyl-4-nitroaniline
N-allyl-N-cyclopentyl-4-nitro-3-(trifluoromethyl)aniline
5-(dipropylamino)-2-nitrophenol
2-chloro-4-(dipropylamino)benzonitrile
5-[ethyl(2-methyl-2-propenyl)amino]-2-nitrobenzonitrile
N,N-diallyl-4-nitro-3-(trifluoromethyl)aniline
N,N-diallyl-2-methyl-4-nitroaniline
5-[(cyclopropylmethyl)(propyl)amino]-2-nitrophenol
N-(2-methoxyethyl)-3-methyl-4-nitro-N-propylaniline
4-[butyl(propyl)amino]-2-chlorobenzonitrile
N-butyl-2-chloro-N-methyl-4-nitroaniline
4-(dipropylamino)-2-nitrobenzonitrile
2-chloro-4-[(2-methoxyethyl)(propyl)amino]benzonitrile

N,N-diallyl-3-methyl-4-nitroaniline
N-(sec-butyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-(dipentylamino)-2-nitrobenzonitrile
N-(cyclopropylmethyl)-3-methyl-4-nitro-N-propylaniline
5-(dipropylamino)-2-nitrobenzonitrile
N,N-dibutyl-4-nitro-3-(trifluoromethyl)aniline
N1-(2-chloro-4-nitrophenyl)-N1,N2,N2-trimethyl-1,2-ethanediamine
5-[sec-butyl(propyl)amino]-2-nitrobenzonitrile
N-ethyl-N-(2-methyl-2-propenyl)-4-nitro-3-(trifluoromethyl)aniline
N-(2-methoxyethyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-[butyl(ethyl)amino]-2-chlorobenzonitrile
5-(dibutylamino)-2-nitrobenzonitrile
4-[butyl(ethyl)amino]-2-nitrobenzonitrile
4-[(2-methoxyethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
5-[(2-methoxyethyl)(propyl)amino]-2-nitrobenzonitrile
4-[allyl(cyclopentyl)amino]-2-(trifluoromethyl)benzonitrile
4-[butyl(propyl)amino]-2-(trifluoromethyl)benzonitrile
N,N-dibutyl-3-methyl-4-nitroaniline
4-[methyl(octyl)amino]-2-nitrobenzonitrile
4-(dibutylamino)-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-N-propyl-2-(trifluoromethyl)aniline
N-allyl-N-cyclohexyl-4-nitro-3-(trifluoromethyl)aniline
4-[(2-methoxyethyl)(methyl)amino]-3-(trifluoromethyl)benzonitrile
4-(diallylamino)-3-nitrobenzonitrile
N-1-(2-chloro-4-nitrophenyl)-N1,N3,N3-trimethyl-1,3-propanediamine
N,N-bis(2-methoxyethyl)-4-nitro-3-(trifluoromethyl)aniline
4-[sec-butyl(propyl)amino]-2-(trifluoromethyl)benzonitrile
2-chloro-4-[ethyl(2-methyl-2-propenyl)amino]benzonitrile
N-cyclohexyl-N-ethyl-4-nitro-3-(trifluoromethyl)aniline
2-chloro-4-(dibutylamino)benzonitrile
4-[cyclohexyl(ethyl)amino]-2-nitrobenzonitrile
4-[bis(2-ethoxyethyl)amino]-3-chlorobenzonitrile
2-chloro-N-(2-methoxyethyl)-N-methyl-4-nitroaniline
N-butyl-N-ethyl-4-nitro-3-(trifluoromethyl)aniline

N-(sec-butyl)-3-methyl-4-nitro-N-propylaniline
N-(2-methoxyethyl)-N-methyl-4-nitro-2-(trifluoromethyl)aniline
4-bis[3-(dimethylamino)propyl]amino-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-[(methyl)(octyl)amino]-2-(trifluoromethyl)benzonitrile
4-(propylamino)-2-(trifluoromethyl)benzonitrile
4-nitro-N-propyl-3-(trifluoromethyl)aniline
3-[[4-nitro-3-(trifluoromethyl)phenyl]amino]propan-1-ol
4-[(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-hydroxy-1-(hydroxymethyl)ethyl)amino]-2-(trifluoromethyl)benzonitrile
4-(dimethylamino)-2-(trifluoromethyl)benzonitrile
4-(diethylamino)-2-(trifluoromethyl)benzonitrile
4-[methyl(2-methylpropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)(2-hydroxyethyl)amino]-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-3-(trifluoromethyl)aniline
3-[(cyclopropylmethyl)[4-nitro-3-(trifluoromethyl)phenyl]amino]-1-propanol
2-[(cyclopropylmethyl)[4-nitro-3-(trifluoromethyl)phenyl]amino]ethanol
4-[(cyclopropylmethyl)amino]-3-(trifluoromethyl)benzonitrile
1-[4-[(cyclopropylmethyl)(propyl)amino]-2-(trifluoromethyl)phenyl]ethanone
4-[(1-cyclopropylethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[allyl(1-cyclopropylethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(2-propen-1-yl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,3-dihydroxypropyl)(2,2-dimethylpropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(2-oxoethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(2-hydroxyethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(1,1-dimethylethyl)amino]-2-(trifluoromethyl)benzonitrile
N-(1,1-dimethylethyl)-4-nitro-3-(trifluoromethyl)aniline
N-(cyclopropylmethyl)-N-(1,1-dimethylethyl)-4-nitro-3-(trifluoromethyl)aniline
4-[(1,1-dimethylethyl)(2-propen-1-yl)amino]-2-(trifluoromethyl)benzonitrile

4-[(1,1-dimethylethyl)(2-oxoethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(1,1-dimethylethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(3-hydroxypropyl)((1S)-1-methylpropyl)amino]-2-(trifluoromethyl)benzonitrile
2-(trifluoromethyl)-4-[(3,3,3-trifluoropropyl)amino]benzonitrile
4-[bis(2-fluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-nitro-N-(2,2,2-trifluoroethyl)-3-(trifluoromethyl)aniline
4-[(3-hydroxypropyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(3-hydroxypropyl)(2,2,2-trifluoroethyl)amino]-3-(trifluoromethyl)benzonitrile
4-bromo-N,N-bis(2,2,2-trifluoroethyl)-3-(trifluoromethyl)aniline
4-[bis(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-difluoroethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
bis(2,2,2-trifluoroethyl)[2-(trifluoromethyl)-4-biphenyl]amine
4-[(2-hydroxyethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-(methoxy)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-(ethoxy)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2,2-trifluoroethyl)[2-[(2,2,2-trifluoroethyl)oxy]ethyl]amino]-2-(trifluoromethyl)benzonitrile
4-[methyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[ethyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[propyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[butyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-methylprop-2-enyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[isobutyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(3-methylbut-2-enyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[isopentyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[prop-2-ynyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-fluoroethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-(methylthio)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-azidoethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
N-{2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethyl} acetamide
methyl 2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethylcarbamate
tert-butyl 2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethylcarbamate
N-{2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethyl}
methanesulfonamide; and

4-(dipropylamino)phthalonitrile;
and salts thereof.

30 – 32. (Cancelled)

33. (Currently Amended) A The compound selected from the group consisting of claim 30 wherein the compound is:

N,N-diallyl-4-nitroaniline
N-(cyclopropylmethyl)-4-nitro-N-propylaniline
4-(dipropylamino)benzonitrile; ~~or~~
4-nitro-N,N-dipropylaniline;

and salts thereof.

34. (Cancelled)

35. (Previously Presented) A pharmaceutical composition comprising a compound according to claim 1, and a pharmaceutically acceptable carrier.

36 – 41. (Cancelled)

42. (Withdrawn) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, arteriosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 1.

43. (Previously Presented) A pharmaceutical composition comprising a compound according to claim 29, and a pharmaceutically acceptable carrier.

44. (Currently Amended) A pharmaceutical composition comprising a compound according to claim ~~33~~30, and a pharmaceutically acceptable carrier.

45. (Withdrawn) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, atherosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 29.

46. (Withdrawn) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, atherosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 30.